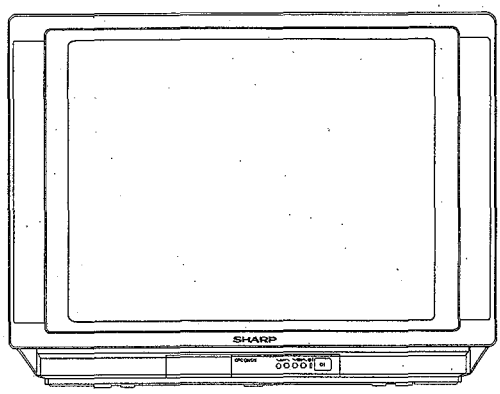
63ET-01SN
70ET-01SN

SHARP-07663

SHARP SERVICE MANUAL

SEMS70DS01SN2

CA10 - CHASSIS



PAL SYSTEM COLOUR TELEVISION

63ET-01SN

MODELS **70ET-01SN**

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

7663

ELECTRICAL SPECIFICATIONS

Aerial Input Impedance .....75 ohm unbalanced
Convergence .....Self Converging System
Focus .....Bipotential electrostatic
Audio Power Output Rating .....10W (M.P.O.)
Picture IF Carrier Frequency .....38.9 MHz
Sound Carrier Trap .....33.4 MHz
Adjacent Sound Carrier Trap.....40.4 MHz
Adjacent Picture Carrier Trap.....31.9 MHz

Power Input .....220/240 Volts AC 50 Hz
Power Consumption at Stand-by 3W
Power Consumption .....120 W
Speakers Size 13cmX6cm
Speaker Coil Impedance .....8 ohm
Sweep Deflection .....Magnetic
Tuning Ranges .....471.25 MHz ÷ 855.5 MHz
CATV Special channels

Specifications are subject to change without prior notice .

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be carried out by qualified service personnel only.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10 k ohm resistor in series with an insulated wire (such as test probe) between picture tube ground tag and high voltage lead. (AC line cord should be disconnected from AC outlet).

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimun. Since certain malfunctions ar servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed.

1. When repairing the circuit, be sure not to increase the high voltage to more than 30.0 kV for the set.
2. To keep the set in a normal operation, be sure to make it function on 26kV ± 1.5kV (at beam1300 μA) in the case of the set. The set has been factory adjusted to the above mentioned high voltage. If there is a possibility that high voltage fluctuates as result of the repairs, never forget to check for such high voltage after the work.
3. Do not substitute a picture tube with unauthorized types or brands which may cause excess X-Ray radiation.

BEFORE RETURNING THE RECEIVER

In addition to the checks necessary as a result of a repair having been carried out, the following additional safety checks should also be made before returning the units to the user.

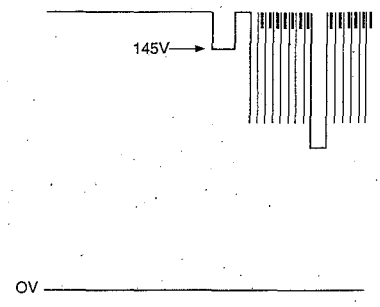
1. Inspect all lead insulation to make certain that leads are not pinched or that harware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating fishpapers, cabinet backs, adjustament and compartament covers or shields, insolation resistor-capacity networks, mechanical insulators, etc.

SERVICE ADJUSTMENTS

All the adjustments required for this chasis will be done in Service Mode, except G2 and Focus.

• G2 ADJUSTMENT

1. Receive cross hatch pattern signal.
2. Set contrast to 80/100 and brightness to 40/100.
3. Connect the oscilloscope to the red cathode and adjust G2 to read 145V on the sensor pulse as in below drawing:



NOTE:
Osciloscope should be adjustated for vertical TV field trigger and synchronized with video signal.

• SERVICE MODE FUNCTION

This mode function is provided to assist with the settings of those adjustment that may vary from one Picture Tube to another, or between models.

In order to use the Service Mode

1. Connect Test Pattern signal to antenna terminal.
2. Press main switch to "OFF".
3. Press volume-down and channel-up buttons and main switch to "ON" simultaneously.
4. Service mode is now entered.

The required adjustments can then be made from the Remote Control Unit.
The only buttons required are the following:
Up/Down-channel for movement in adjustment options menu; Up/Down-volume are used to carry out an adjustment in said menu; ON/OFF is used to memorize a new adjustment.

To exit service mode, press main switch to off.

Adjustment menu is as follows:

— SERVICE SOFTWARE
— IF PLL ADJUSTMENT
— AGC TAKE OVER POINT
— EAST WEST WIDTH
— HORIZONTAL SHIFT
— VERTICAL LINEARITY
— VERTICAL AMPLITUDE
— VERTICAL SHIFT
— S. CORRECTION
— EAST WEST PARABOLA
— EAST WEST CORNER
— EAST WEST TRAPEZIUM
— RED GAIN
— GREEN GAIN
— BLUE GAIN
— ALTER NVM PAG
— ALTER NVM POS
— ALTER NVM VAL
— OPC VALUE
— AUTOINSTALLATION ON/OFF

• IF PLL ADJUSTMENT

a) Receiver the "COLOUR BAR" signal, CH 69 (855.25 Mhz).
b) Push POWER button on Remote Control. Setting is made automatically.
c) To exit Service Mode, press main switch to OFF.

• AGC TAKE OVER POINT

a) Receive the "COLOUR BAR" signal (Signal strength: 57 dB/μV)
b) Push CH up button. Setting is made automatically.
c) To exit Service Mode, press main switch to OFF.

GEOMETRY ADJUSTMENT PROCEDURE

Adjustment Note:

The procedure for making adjustments to vertical corrections is as follows:
-Adjust VERTICAL LINEARITY
-Adjust S. CORRECTION
-Adjust VERTICAL SHIFT
-Adjust VERTICAL AMPLITUDE

The procedure for making adjustments to horizontal corrections is as follows:
-Set E-W WIDTH to minimum
-Adjust HORIZONTAL SHIFT
-Adjust E-W PARABOLA
-Adjust E-W WIDTH
-Adjust E-W TRAPEZIUM
-Adjust E-W CORNER

• EAST - WEST WIDTH

a) Receive Philips pattern signal.
b) When volume-up button is pressed, horizontal scanning increases.
c) When volume-down button in pressed, horizontal scanning decreases.
d) Adjust the horizontal amplitude to obtain 9% overscan (fig. 1).

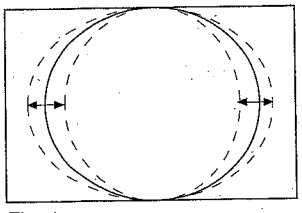


Fig. 1

• HORIZONTAL SHIFT

a) Receive Philips pattern signal.
b) When volume-up button is pressed, picture moves to the left.
c) When volume-down button is pressed, picture moves to the right.
d) Adjust the horizontal location to obtain picture centering (fig. 2).

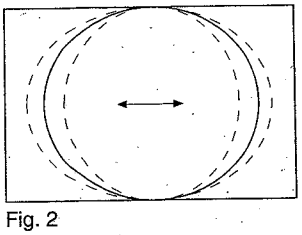


Fig. 2

• VERTICAL SLOPE

a) Receive center cross chart from pattern generator.
b) Adjust horizontal line off the cross figure to coincide with the edge of the black area in the center of C.R.T. (fig. 3).

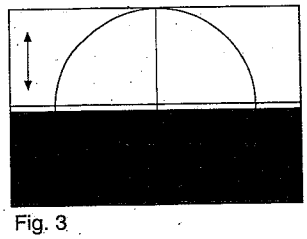


Fig. 3

• VERTICAL AMPLITUDE

a) Receive Philips pattern signal.
b) When volume-up button is pressed, vertical size picture increases.
c) When volume-down button is pressed, vertical size of picture decreases.
d) Adjust the vertical size to obtain overscan (fig. 4).

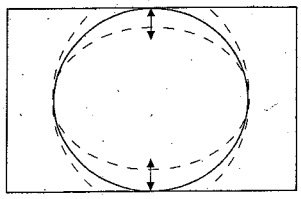


Fig. 4

• VERTICAL SHIFT

a) Receive Philips pattern signal.
b) When volume-up button is pressed, picture moves up.
c) When volume-down is pressed, picture moves down.
d) Adjust the horizontal location to obtain picture centering (fig. 5).

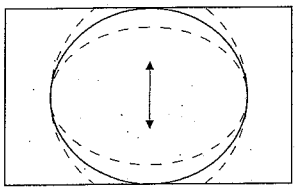


Fig. 5

• S-CORRECTION

a) Receive Philips pattern signal.
b) When volume-up button is pressed, upper and lower scanning decreases, and center scanning increases.
c) When volume-down button is pressed, upper and lower scanning increases, and center scanning decreases.
d) Adjust the S-correction to obtain a balance between upper, lower and center. (fig. 6).

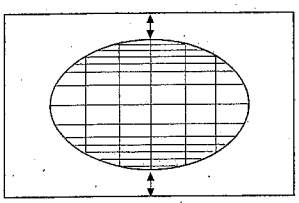


Fig. 6

• EAST - WEST PARABOLA

a) Receive Philips pattern signal.
b) When volume-up button is pressed, side pincushion changes from pincushion shape.
c) When volume-down button is pressed, side pincushion changes from barrel shape.
d) Adjust the E-W PARABOLA to obtain condition as (fig. 7).

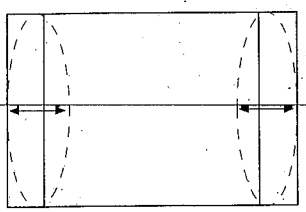


Fig. 7

• EAST - WEST CORNER

a) Receive Philips pattern signal.
b) When volume-down button is pressed, side pincushion changes from pincushion shape.
c) When volume-up button is pressed, side pincushion changes from barrel to pincushion shape.
d) Adjust the E-W CORNER to obtain condition as in (fig. 8).

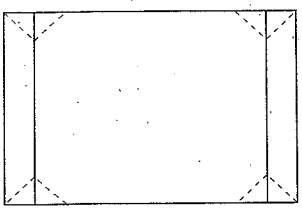


Fig. 8

• EAST - WEST TRAPEZIUM

a) Receive Philips pattern signal.
b) When volume-up button is pressed, side pincushion changes.
c) When volume-down button is pressed, side pincushion changes.
d) Adjust the E-W TRAPEZIUM to obtain condition as in (fig. 9).

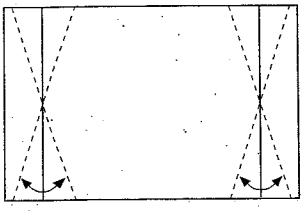


Fig. 9

COLOUR ADJUSTMENT

The following adjustments are only required when the Picture Tube is changed.

• RED GAIN / GREEN GAIN / BLUE GAIN

a) Using brightness and contrast buttons, select a luminance of ≈ 110 NITS.
b) Operate again in Service Mode and select location RED GAIN / GREEN GAIN / BLUE GAIN, to obtain colour coordinates:

$$X = 0.290 \pm 0.015$$
$$Y = 0.284 \pm 0.015$$

To increase press volume-up button and to decrease press volume-down button

RED GAIN	alter "X" coordinate
GREEN GAIN	alter "Y" coordinate
BLUE GAIN	alter "X" and "Y" coordinate

c) The changes introduced can be memorized by pressing button ⏻ on TV set.

d) Exit Service Mode and check colour coordinates "X" and "Y" at 20 and 110 NITS. It may be necessary to repeat procedure 1 and 2 of COLOUR ADJUSTMENT.

ACCESS TO NVM

Press CH∧ to move in the following secuence:
ALTER NVM PAG → ALTER NVM POS → ALTER NVM VAL
to alter preseting adjustments, press up/down-volume buttons on ALTER NVM VAL.
⚠ CAUTION: Do not change NVM VALUE to avoid risk of serious damages to TV set.

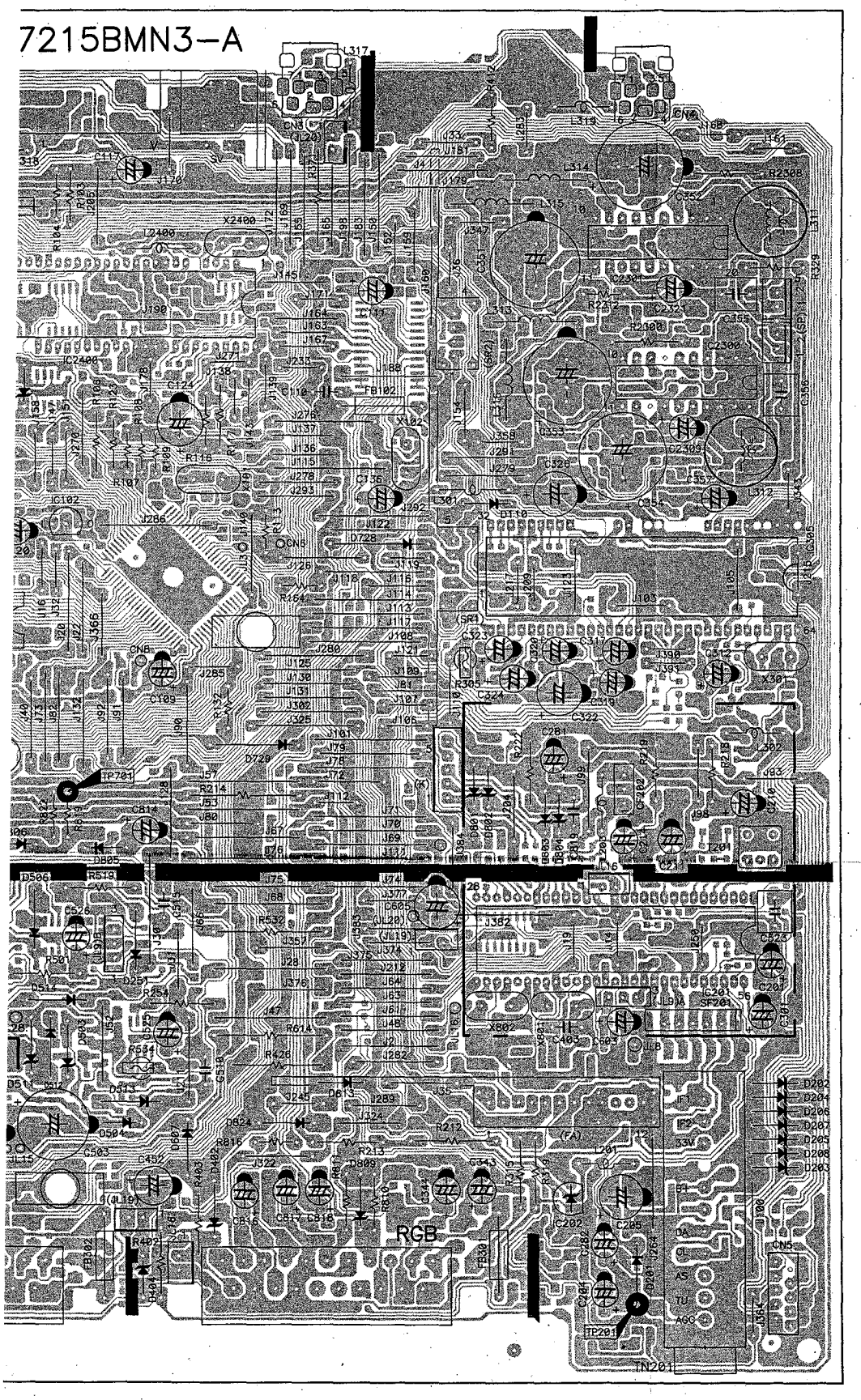
OPC VALUE

Shows reading of detected illuminated value by O.P.C. (Optical Picture Control) to check function.

AUTO INSTALLATION OFF/ON

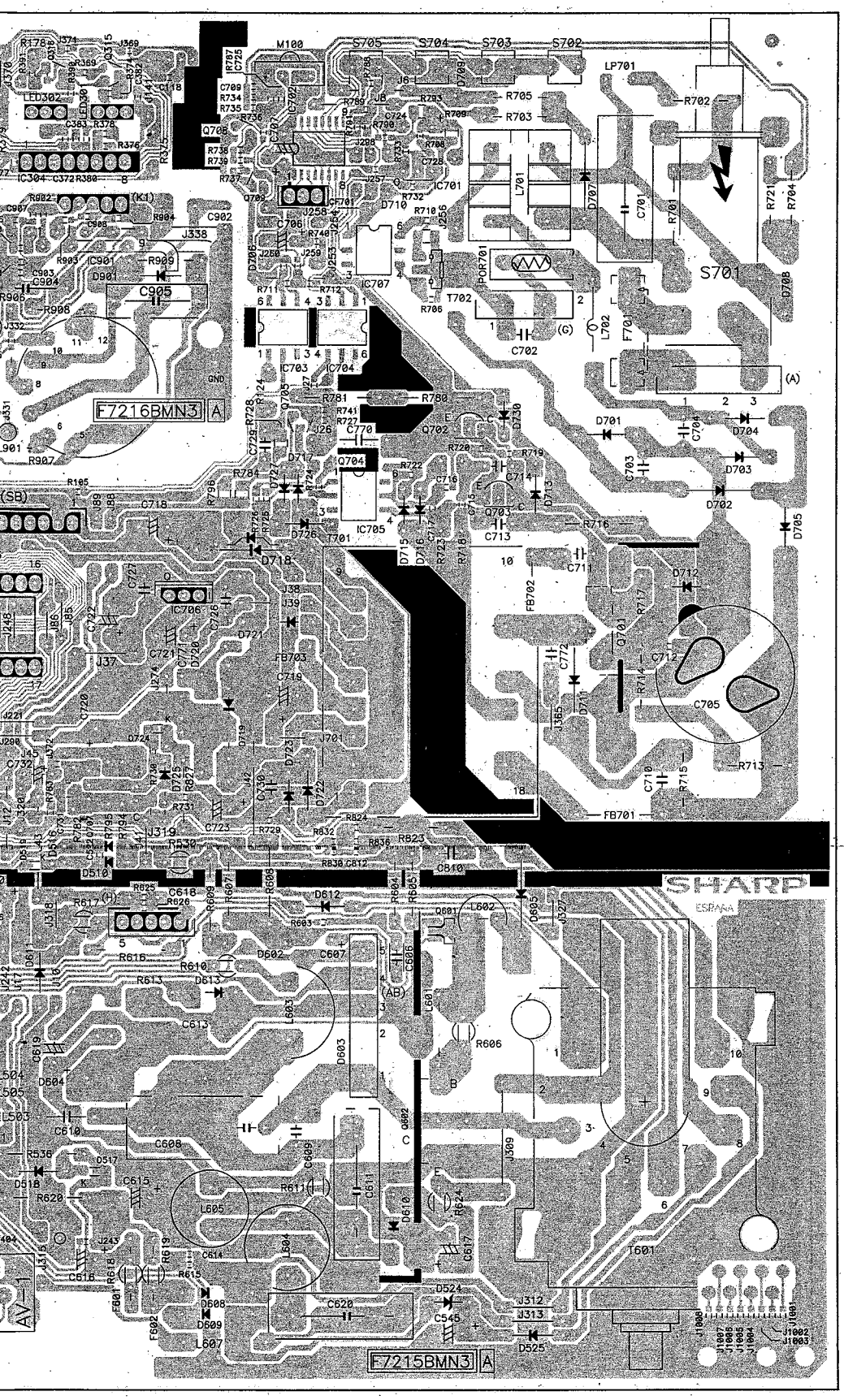
When ON is selected, the TV will perform the autoinstallation secuence as soon as service mode is removed.

7215BMN3–A



WB-B

8	9	10	11	12	13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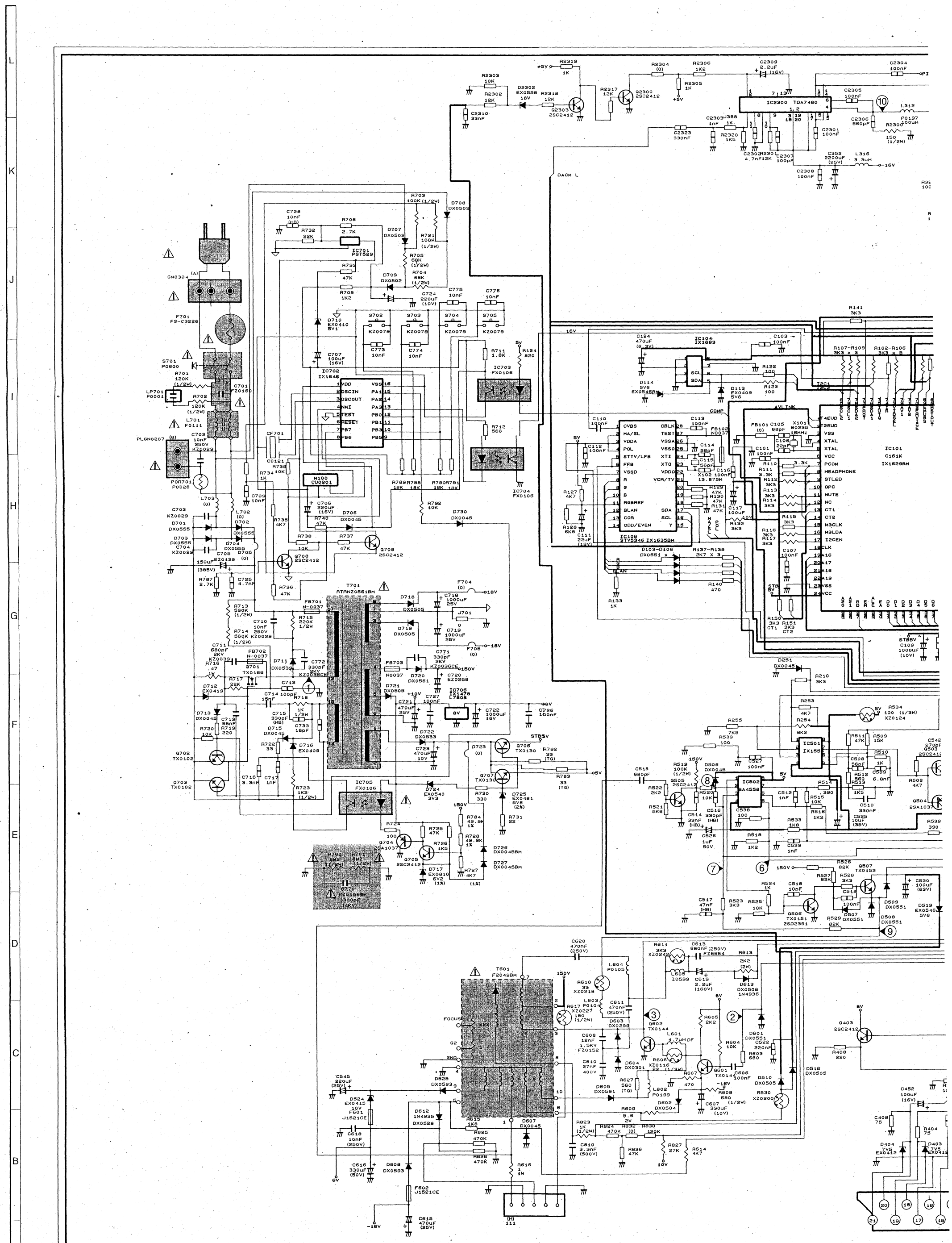
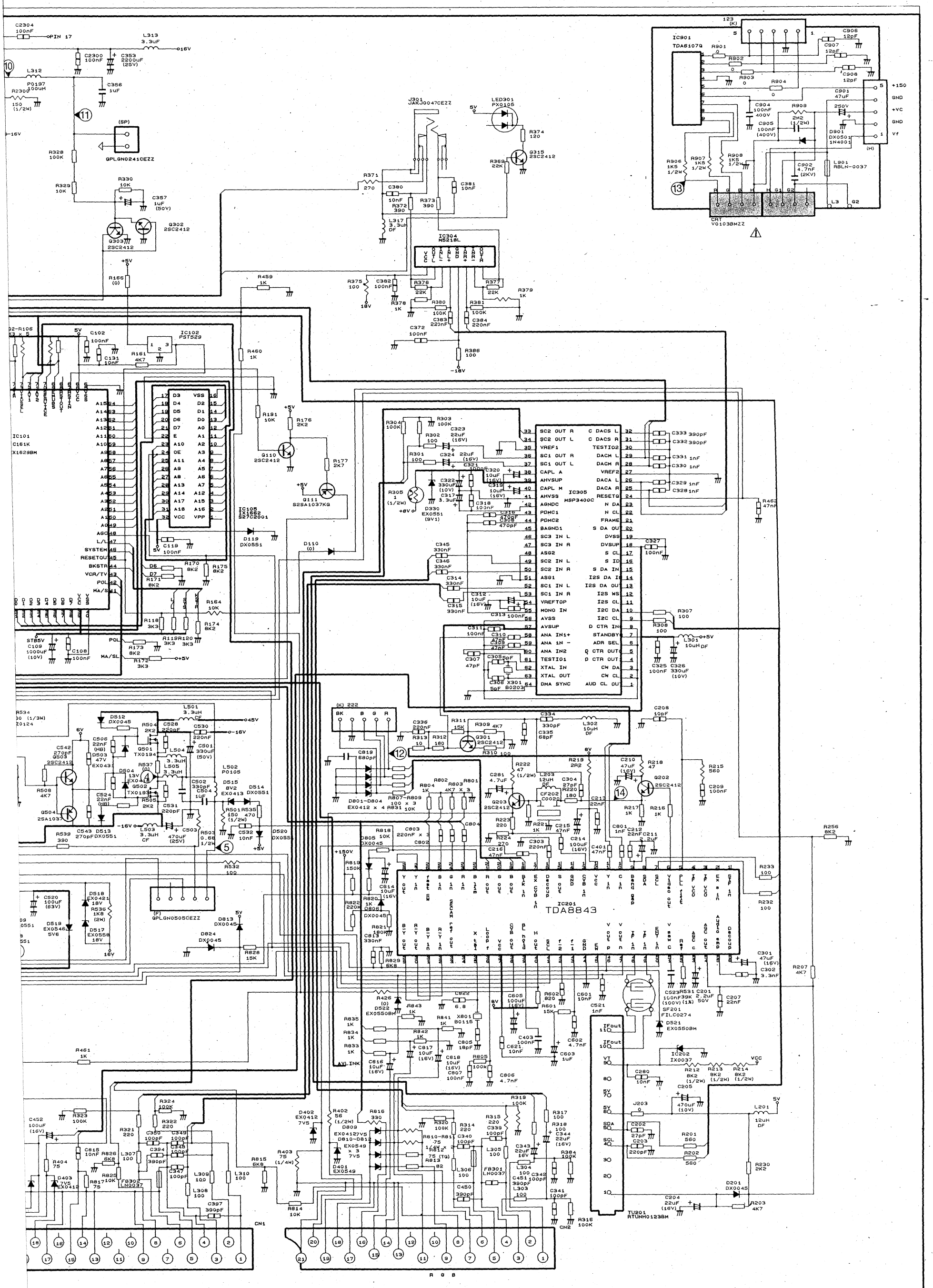
SCHEMATIC DIAGRAM



PWB-A / PW



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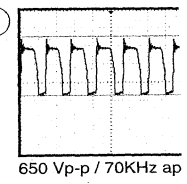
650 Vp-p / 70KHz ap

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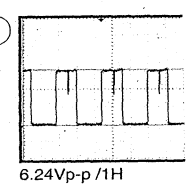
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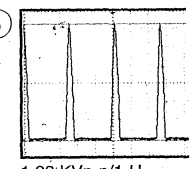
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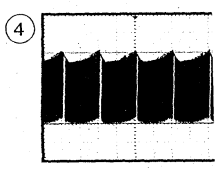
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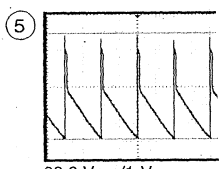
28.8 Vp-p/1-V

6

0.62 Vp-p/1-V

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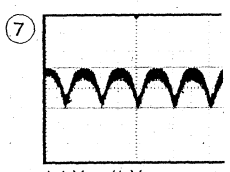
1.1 Vp-p/1-V

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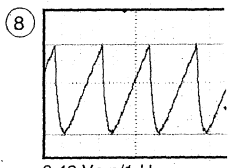
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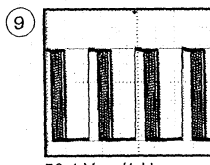
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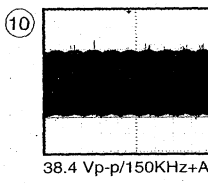
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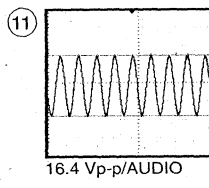
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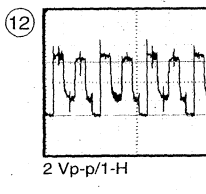
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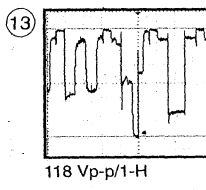
118 Vp-p/1-H

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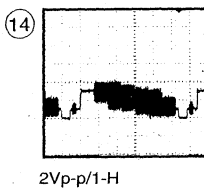
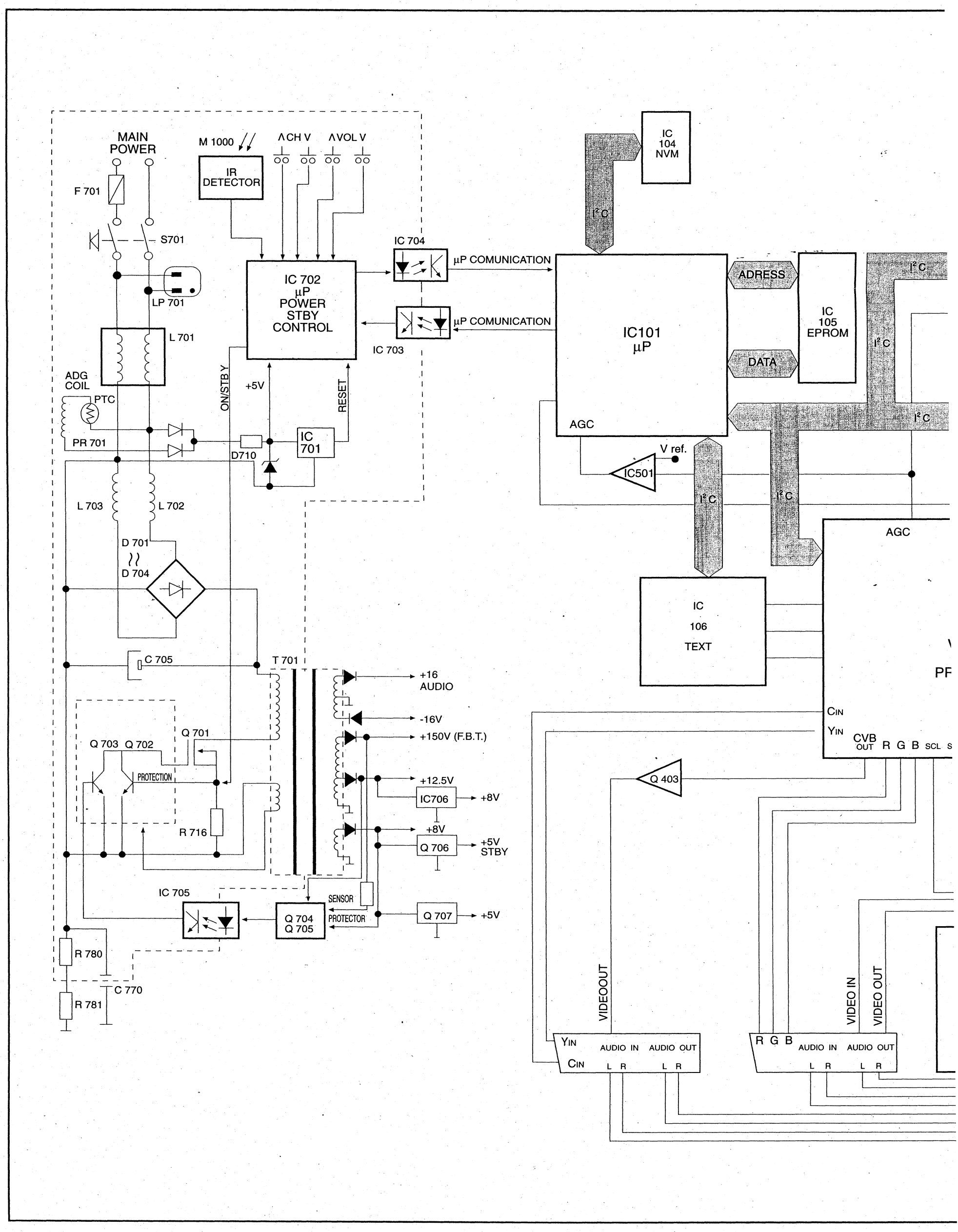
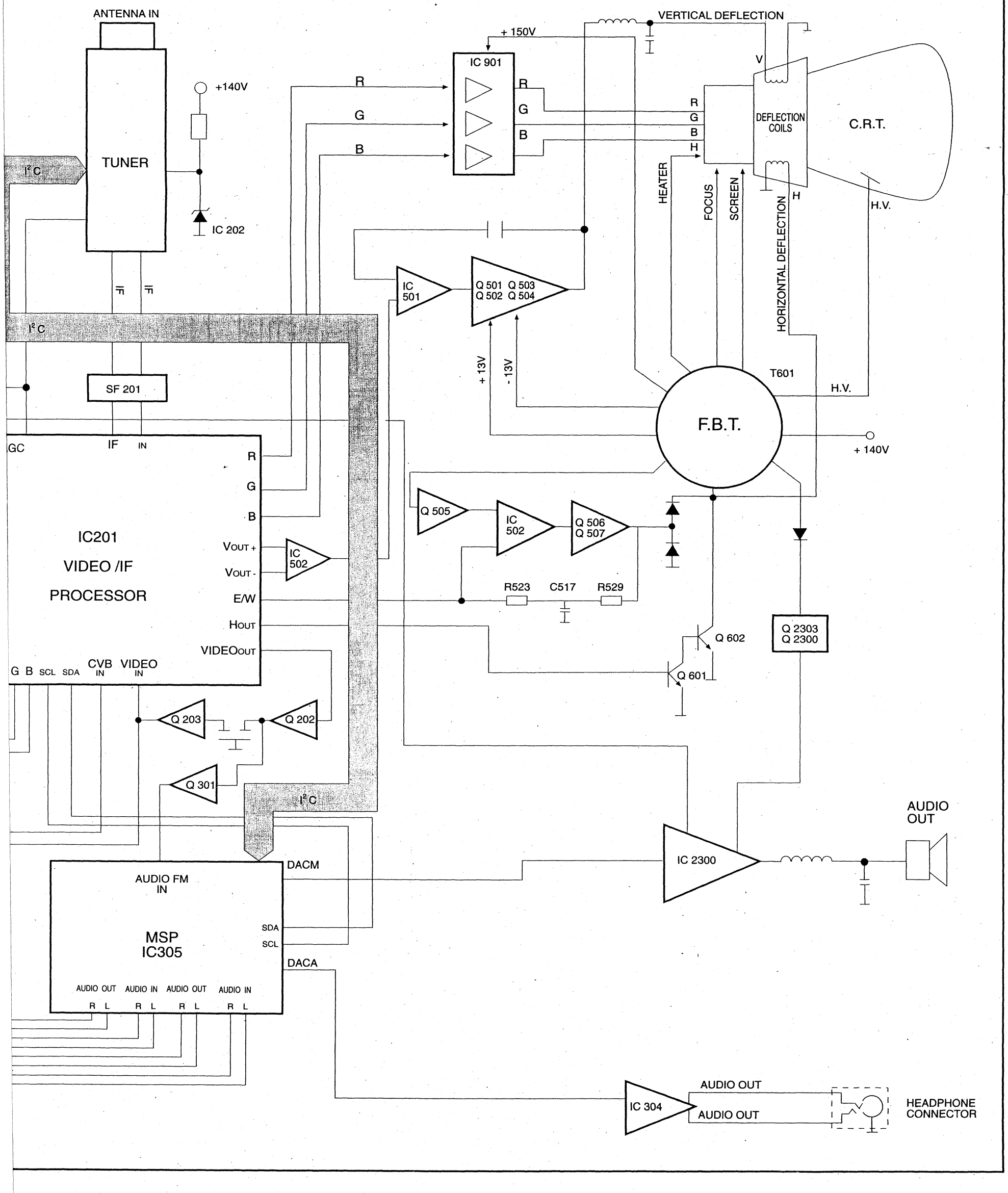

2Vp-p/1-H

A / PWB-B

BLOCK DIAGRAM 63ET-01SN / 70ET-01SN




ANTENNA IN
TUNER
I²C
+140V
IC 202
IF
IF
SF 201
IC201
VIDEO /IF
PROCESSOR
GC
IF IN
R
G
B
VOUT +
VOUT -
E/W
HOUT
VIDEOOUT
G B SCL SDA
CVB IN
VIDEO IN
IC 502
Q 203
Q 202
Q 301
+ 150V
IC 901
R
G
B
R
G
B
H
VERTICAL DEFLECTION
V
DEFLECTION COILS
C.R.T.
H.V.
HEATER
FOCUS
SCREEN
H
HORIZONTAL DEFLECTION
IC 501
Q 501 Q 503
Q 502 Q 504
+ 13V
- 13V
T601
H.V.
F.B.T.
+ 140V
Q 505
IC 502
Q 506
Q 507
R523
C517
R529
Q 602
Q 601
Q 2303
Q 2300
AUDIO FM IN
MSP
IC305
SDA
SCL
DACM
DACA
AUDIO OUT
AUDIO IN
AUDIO OUT
AUDIO IN
R L R L R L R L
IC 2300
AUDIO OUT
IC 304
AUDIO OUT
HEADPHONE CONNECTOR

PARTS LIST

REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual. Electrical components having such features are identified by ⚠ in the Replacement Parts list.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted. Replacement parts not shown in this service manual may create shock fire, or other hazards.

HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

★ MARK: SPARE PARTS DELIVERY SECTION
EX: EUROPEAN MARKET
SP: SPANISH MARKET

REF. NO.	PARTS NO.	★	DESCRIPTION	EX	SP
PICTURE TUBE					
⚠	VB59EHJ4338*N	S	C.R.T. 25" 63ET01SN	CN	BU
⚠	VB66EHJ4338*N	S	C.R.T. 28" 70ET01SN	CQ	CD
⚠	CCILG0403BMV0	S	Degaussing Coil 25"	AR	AK
⚠	CCILG0404BMV0	S	Degaussing Coil 28"	AV	AM
PRINTED WIRING BOARDS					
PWB - A	DUNTK7215CJX4	S	Mother Unit 63ET01SN	–	–
PWB - A	DUNTK7215CJX3	S	Mother Unit 70ET01SN	–	–
PWB - B	DUNTK7216BMX4	S	Socket Unit 63ET01SN	–	–
PWB - B	DUNTK7216BMX3	S	Socket Unit 70ET01SN	–	–
	DSETU7215CJX4	S	Complete Chassis 63ET01SN	–	–
	DSETU7215CJX3	S	Complete Chassis 70ET01SN	–	–
MOTHER UNIT					
TUNER					
TU 0201	RTUNH0123BMZZ	S	Tuner	BA	AX
INTEGRATED CIRCUITS					
IC 0101	RH-IX1629BMZZ	S	SAB-C161K-L16Q	AY	AV
IC 0102	VHIPST529C2-1	S	PST529C	AD	AD
IC 0104	RH-IX1668BMZZ	S		AG	AD
IC 0105	CH-IX1600CJPB	S	EPROM 63ET01SN	AW	AT
IC 0105	CH-IX1600CJPA	S	EPROM 70ET01SN	AX	AL
IC 0106	RH-IX1635BMZZ	S	STV5346	AY	AR
IC 0201	VHITDA8843/-1	S		BD	AX
IC 0202	RH-IX0037CEZZ	S	UPC574J 33V	AD	AF
IC 0304	VHIM5218L//-1	S	M5218L	AF	AB
IC 0305	RH-IX1633BMZZ	S	MSP3400C PSDIP64	BA	AT
IC 0501	RH-IX1556BMZZ	S	BA10393 S0P8	AD	AC
IC 0502	VHIBA4558//-1	S	BA4558	AC	AD
IC 0701	VHIPST529C2-1	S	PST529C	AD	AD
IC 0702	RH-IX1646BMZZ	S	ST6203B	AL	AF
⚠ IC 0703	RH-FX0106BMZZ	S	M0C8106SR2V	AD	AC
⚠ IC 0704	RH-FX0106BMZZ	S	M0C8106SR2V	AD	AC
⚠ IC 0705	RH-FX0106BMZZ	S	M0C8106SR2V	AD	AC
IC 0706	RH-IX1478BMZZ	S	L7808	AE	AC
IC 2300	VHITDA7480/-1	S		AK	AF
TRANSISTORS					
Q 0110	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0111	VS2SA1037KQ-1	S	BC807	AA	AA
Q 0202	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0203	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0301	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0302	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0303	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0315	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0403	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0501	RH-TX0194BMZZ	S		AG	AD
Q 0502	RH-TX0193BMZZ	S		AG	AD
Q 0503	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0504	VS2SA1037KQ-1	S	BC807	AA	AA
Q 0505	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0506	RH-TX0151BMZZ	S	2SD2391Q	AD	AC
Q 0507	RH-TX0152BMZZ	S	BC846BLT1	AA	AA
Q 0601	RH-TX0146BMZZ	S	2SD2153T100/W	AD	AC
Q 0602	RH-TX0144BMZZ	S	BUH 515	AK	AH
Q 0701	RH-TX0166BMZZ	S	2SK2605	AK	AG
Q 0702	RH-TX0102BMZZ	S	BC338	AB	AA
Q 0703	RH-TX0102BMZZ	S	BC338	AB	AA
Q 0704	VS2SA1037KQ-1	S	BC807	AA	AA
Q 0705	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0706	RH-TX0130BMZZ	S	BC338-40	AB	AA
Q 0707	RH-TX0130BMZZ	S	BC338-40	AB	AA
Q 0708	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 0709	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 2300	VS2SC2412KQ-1	S	2SC2412	AA	AA
Q 2303	VS2SC2412KQ-1	S	2SC2412	AA	AA
DIODES					
D 0103	RH-DX0551BMZZ	S	LL4148	AA	AA
D 0104	RH-DX0551BMZZ	S	LL4148	AA	AA
D 0105	RH-DX0551BMZZ	S	LL4148	AA	AA
D 0106	RH-DX0551BMZZ	S	LL4148	AA	AA
D 0113	RH-EX0409BMZZ	S	Zener BZX79C5V6	AA	AA
D 0114	RH-EX0546BMZZ	S	Zener TZMC5V6	AA	AA
D 0119	RH-DX0551BMZZ	S	LL4148	AA	AA
D 0201	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0251	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0330	RH-EX0551BMZZ	S	Zener TZMC9V1	AA	AA
D 0401	RH-EX0549BMZZ	S	Zener TZMC7V5	AA	AA
D 0402	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB	AA
D 0403	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB	AA
D 0404	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB	AA
D 0503	RH-EX0431BMZZ	S	Zener BZX79C47V	AA	AA
D 0504	RH-EX0418BMZZ	S	Zener BZX79C13V	AB	AB
~~D 0506~~	~~RH-DX0045BMZZ~~	~~S~~	~~1N4148~~	~~AA~~	~~AA~~
D 0507	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0508	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0509	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0510	RH-DX0505BMZZ	S	1N4935	AB	AB
D 0512	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0513	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0514	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0515	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB	AB
D 0516	RH-DX0505BMZZ	S	1N4935	AB	AB
D 0517	RH-EX0558BMZZ	S	Zener TZMC18	AA	AA
D 0518	RH-EX0421BMZZ	S	Zener BZX79C18V	AA	AA
D 0519	RH-EX0546BMZZ	S	Zener TZMC5V6	AA	AA
D 0520	RH-DX0551BMZZ	S	LL4148	AA	AA
D 0521	RH-EX0550BMZZ	S	Zener TZMC8V2	AA	AA
D 0522	RH-EX0550BMZZ	S	Zener TZMC8V2	AA	AA
D 0524	RH-EX0415BMZZ	S	Zener BZX79C10V	AA	AA
D 0525	RH-DX0593BMZZ	S	RGP10D 200V	AB	AA
D 0601	RH-DX0551BMZZ	S	LL4148	AA	AA
D 0602	RH-DX0504BMZZ	S	1N4934	AB	AB
D 0603	RH-DX0299BMZZ	S	BY 228-20	AE	AC
D 0604	RH-DX0301BMZZ	S	BY 299	AD	AB
D 0605	RH-DX0591BMZZ	S	RGP10A 50V	AB	AA
D 0607	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0608	RH-DX0593BMZZ	S	RGP10D 200V	AB	AA
D 0612	RH-DX0505BMZZ	S	1N4935	AB	AB
D 0613	RH-DX0506BMZZ	S	1N4936	AB	AB
D 0701	RH-DX0555BMZZ	S	RF2005	AB	AA
D 0702	RH-DX0555BMZZ	S	RF2005	AB	AA
D 0703	RH-DX0555BMZZ	S	RF2005	AB	AA
D 0704	RH-DX0555BMZZ	S	RF2005	AB	AA
D 0706	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0707	RH-DX0502BMZZ	S	1N4005	AA	AB

REF. NO.	PARTS NO.	★	DESCRIPTION	EX	SP
D 0708	RH-DX0502BMZZ	S	1N4005	AA	AB
D 0709	RH-DX0502BMZZ	S	1N4005	AA	AB
D 0710	RH-EX0408BMZZ	S	Zener BZX79C5V1	AB	AB
D 0711	RH-DX0539BMZZ	S	BYT52M	AC	AA
D 0712	RH-EX0419BMZZ	S	Zener BZX79C15V 0.4W	AB	AA
D 0713	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0715	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0716	RH-EX0409BMZZ	S	Zener BZX79C5V6	AA	AA
D 0717	RH-EX0810BMZZ	S	Zener BZX79A6V2	AC	AA
D 0718	RH-DX0505BMZZ	S	1N4935	AB	AB
D 0719	RH-DX0505BMZZ	S	1N4935	AB	AB
D 0720	RH-DX0561BMZZ	S	RGP15J	AD	AC
D 0721	RH-DX0505BMZZ	S	1N4935	AB	AB
D 0722	RH-DX0519BMZZ	S	1N5819	AD	AB
D 0724	RH-EX0540BMZZ	S	Zener TZMC3V3	AA	AA
D 0725	RH-EX0481BMZZ	S	Zener BZX79 B5V6	AB	AA
D 0726	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0727	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0730	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0801	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB	AA
D 0802	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB	AA
D 0803	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB	AA
D 0804	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB	AA
D 0805	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0806	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0809	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB	AA
D 0810	RH-EX0549BMZZ	S	Zener TZMC7V5	AA	AA
D 0811	RH-EX0549BMZZ	S	Zener TZMC7V5	AA	AA
D 0812	RH-EX0549BMZZ	S	Zener TZMC7V5	AA	AA
D 0813	RH-DX0045BMZZ	S	1N4148	AA	AA
D 0824	RH-DX0045BMZZ	S	1N4148	AA	AA
D 2302	RH-EX0558BMZZ	S	Zener TZMC18	AA	AA
LED0301	RH-PX0105BMZZ	S	LED	AC	AC
			PACKADGED CIRCUITS		
⚠ POR0701	RMPTP0028CEZZ	S	P.T.C.	AG	AC
X 0101	RCRSB0235BMZZ	S	Crystal 16 MHz	AF	AE
X 0102	RCRSB0227BMZZ	S	Crystal 13.875 MHz	AG	AD
X 0301	RCRSB0203BMZZ	S	Crystal 18.432 MHz	AG	AD
X 0801	RCRSB0115BMZZ	S	Crystal 4.43 MHz	AG	AD
			COILS		
L 0201	VP-DF120K0000	S	12µH	AB	AB
L 0203	VP-DF120K0000	S	12µH	AB	AB
L 0301	VP-DF100K0000	S	10µH	AB	AB
L 0302	VP-DF100K0000	S	10µH	AB	AB
L 0312	RCILP0197CEZZ	S	Peaking Coil	AC	AB
L 0313	VP-CF3R3K0000	S	3.3µH	AB	AB
L 0316	VP-CF3R3K0000	S	3.3µH	AB	AB
L 0317	VP-DF3R3K0000	S	3.3µH	AB	AB
L 0501	VP-CF3R3K0000	S	3.3µH	AB	AB
L 0502	RCILP0105CEZZ	S	1mH	AG	AG
L 0503	VP-CF3R3K0000	S	3.3µH	AB	AB
L 0504	VP-CF3R3K0000	S	3.3µH	AB	AB
L 0505	VP-CF3R3K0000	S	3.3µH	AB	AB
L 0601	VP-DF4R7K0000	S	4.7µH	AA	AA
L 0602	RCILP0199CEZZ	S	LHL08TB151K TAIYO YUDEN	AC	AB
L 0603	RCILP0104CEZZ	S	15mH	AG	AG
L 0604	RCILP0105CEZZ	S	1mH	AG	AG
L 0605	RCILZ0599CEZZ	S	Delay Line	AG	AG
⚠ L 0701	RCILF0111BMZZ	S	Main Filter	AL	AE
T 0201	RCILD0238BMZZ	S	VCO Coil	AE	AC
J 0127	VP-DF3R3K0000	S	3.3µH	AB	AB
			CERAMIC FILTERS		
CF 0202	RFILC0020CEZZ	S	Filter 5.5 MHz	AE	AE
CF 0701	RFILC0121GEZZ	S	Filter 8 MHz	AD	AC
SF 0201	RFILC0275BMZZ	S	SAW Filter G1984T901	AK	AK
			TRANSFORMERS		
⚠ T 0601	RTRNF2049BMZZ	S	F.B.T.	BA	AU
⚠ T 0701	RTRNZ0561BMZZ	S	Chopper	AR	AK

REF. NO.	PARTS NO.	★	DESCRIPTION	EX	SP
			CAPACITORS		
C 0101	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0102	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0103	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0105	VCCCTV1HH680J	S	68p 50V Ceramic	AA	AA
C 0106	VCCCTV1HH220J	S	22p 50V Ceramic	AA	AA
C 0108	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0109	VCEAGA1AW108M	S	1000 10V Electrolytic	AC	AA
C 0110	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	AA
C 0111	VCEAGA1CW226M	S	22 16V Electrolytic	AA	AA
C 0112	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0113	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0114	VCCCTV1HH560J	S	56p 50V Ceramic	AA	AA
C 0115	VCCCTV1HH560J	S	56p 50V Ceramic	AA	AA
C 0116	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0117	VCEAGA1AW107M	S	100 10V Electrolytic	AA	AA
C 0119	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0124	VCEAGA0JW477M	S	470 6.3V Electrolytic	AB	AA
C 0131	VCKYTV1HB103K	S	0.01 50V Ceramic	AA	AA
C 0132	VCKYTV1HB103K	S	0.01 50V Ceramic	AA	AA
C 0133	VCKYTV1HB103K	S	0.01 50V Ceramic	AA	AA
C 0201	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB	AA
C 0202	VCCCTV1HH270J	S	27p 50V Ceramic	AA	AA
C 0203	VCKYTV1HB221K	S	220p 50V Ceramic	AA	AA
C 0204	VCEAGA1CW226M	S	22 16V Electrolytic	AA	AA
C 0205	VCEAGA1AW477M	S	470 10V Electrolytic	AB	AA
C 0207	VCKYTV1HF223Z	S	0.022 50V Ceramic	AA	AA
C 0208	VCCCTV1HH100D	S	10p 50V Ceramic	AA	AA
C 0209	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0210	VCEAGA1CW476M	S	47 16V Electrolytic	AB	AB
C 0211	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB	AA
C 0212	VCKYTV1HF223Z	S	0.022 50V Ceramic	AA	AA
C 0213	VCKYTV1HF223Z	S	0.022 50V Ceramic	AA	AA
C 0214	VCEAGA1CW107M	S	100 16V Electrolytic	AB	AA
C 0215	VCKYTV1HF473Z	S	0.047 50V Ceramic	AA	AA
C 0216	VCKYTV1HF473Z	S	0.047 50V Ceramic	AA	AA
C 0280	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0281	VCEAGA1HW475M	S	4.7 50V Electrolytic	AC	AC
C 0301	VCEAGA1CW476M	S	47 16V Electrolytic	AB	AB
C 0302	VCKYTV1HB332K	S	3300p 50V Ceramic	AA	AA
C 0303	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	AA
C 0304	VCCCTV1HH270J	S	27p 50V Ceramic	AA	AA
C 0305	VCCCTV1HH5R0C	S	5p 50V Ceramic	AA	AA
C 0306	VCCCTV1HH5R0C	S	5p 50V Ceramic	AA	AA
C 0307	VCCCTV1HH470J	S	47p 50V Ceramic	AA	AA
C 0308	VCKYTV1HB471K	S	470p 50V Ceramic	AA	AA
C 0309	VCCCTV1HH470J	S	47p 50V Ceramic	AA	AA
C 0310	VCCCTV1HH470J	S	47p 50V Ceramic	AA	AA
C 0311	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0312	VCEAGA1CW106M	S	10 16V Electrolytic	AA	AA
C 0313	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0314	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB	AA
C 0315	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB	AA
C 0316	VCKYTV1HB471K	S	470p 50V Ceramic	AA	AA
C 0317	VCEAGA1HW335M	S	3.3 50V Electrolytic	AA	AA
C 0318	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0319	VCEAGA1CW106M	S	10 16V Electrolytic	AA	AA
C 0320	VCEAGA1CW106M	S	10 16V Electrolytic	AA	AA
C 0321	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0322	VCEAGA1AW337M	S	330 10V Electrolytic	AB	AA
C 0323	VCEAGA1CW226M	S	22 16V Electrolytic	AA	AA
C 0324	VCEAGA1CW226M	S	22 16V Electrolytic	AA	AA
C 0325	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0326	VCEAGA1AW337M	S	330 10V Electrolytic	AB	AA
C 0327	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0328	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 0329	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 0330	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 0331	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 0332	VCKYTV1HB391K	S	390p 50V Ceramic	AA	AA
C 0333	VCKYTV1HB391K	S	390p 50V Ceramic	AA	AA
C 0334	VCKYTV1HB331K	S	330p 50V Ceramic	AA	AA
C 0335	VCCCTV1HH680J	S	68p 50V Ceramic	AA	AA
C 0336	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	AA
C 0339	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA

REF. NO.	PARTS NO.	★	DESCRIPTION	EX	SP
C 0340	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA
C 0341	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA
C 0342	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA
C 0343	VCEAGA1CW226M	S	22 16V Electrolytic	AA	AA
C 0344	VCEAGA1CW226M	S	22 16V Electrolytic	AA	AA
C 0345	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB	AA
C 0346	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB	AA
C 0347	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA
C 0348	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA
C 0349	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA
C 0350	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA
C 0353	VCEAGA1EW228M	S	2200 25V Electrolytic	AG	AD
C 0354	VCEAGA1EW228M	S	2200 25V Electrolytic	AG	AD
C 0356	RC-FZ9105BMNJ	J	1 63V Mylar	AD	AB
C 0357	VCEAGA1HW105M	S	1 50V Electrolytic	AA	AB
C 0371	VCCCTV1HH470J	S	47p 50V Ceramic	AA	AA
C 0372	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0380	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0381	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0382	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0383	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	AA
C 0384	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	AA
C 0394	VCKYTV1HB391K	S	390p 50V Ceramic	AA	AA
C 0397	VCKYTV1HB391K	S	390p 50V Ceramic	AA	AA
C 0401	VCKYTV1HF473Z	S	0.047 50V Ceramic	AA	AA
C 0403	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	AA
C 0450	VCKYTV1HB391K	S	390p 50V Ceramic	AA	AA
C 0451	VCKYTV1HB391K	S	390p 50V Ceramic	AA	AA
C 0452	VCEAGA1CW107M	S	100 16V Electrolytic	AB	AA
C 0501	VCEAGA1HW337M	S	330 50V Electrolytic	AD	AB
C 0502	VCKYTV1HB331K	S	330p 50V Ceramic	AA	AA
C 0503	VCEAGA1EW477M	S	470 25V Electrolytic	AD	AC
C 0504	RC-FZ9105BMNJ	J	1 63V Mylar	AD	AB
C 0506	VCKYTV1HB223K	S	0.022 50V Ceramic	AA	AA
C 0508	VCCCTV1HH560J	S	56p 50V Ceramic	AA	AA
C 0509	VCKYTV1HB682K	S	6800p 50V Ceramic	AA	AA
C 0510	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC	AA
C 0512	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 0514	VCKYTV1HB333K	S	0.033 50V Ceramic	AA	AA
C 0515	VCKYPA1HB681K	S	680p 50V Ceramic	AA	AA
C 0516	VCKYTV1HB331K	S	330p 50V Ceramic	AA	AA
C 0517	VCKYTV1HB473K	S	0.047 50V Ceramic	AA	AA
C 0518	VCCCTV1HH100D	S	10p 50V Ceramic	AA	AA
C 0519	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0520	VCEAGA1JW107M	S	100 63V Electrolytic	AB	AA
C 0521	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 0522	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	AA
C 0523	RC-FZ5104BMNG	S	0.1 100V Mylar	AD	AB
C 0524	VCKYTV1HB223K	S	0.022 50V Ceramic	AA	AA
C 0525	VCEAGA1VW106M	S	10 35V Electrolytic	AA	AA
C 0526	VCEAGA1HW105M	S	1 50V Electrolytic	AA	AB
C 0527	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0528	VCKYTV1HB221K	S	220p 50V Ceramic	AA	AA
C 0529	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 0530	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	AA
C 0531	VCKYTV1HB221K	S	220p 50V Ceramic	AA	AA
C 0532	VCKYTV1HB103K	S	0.01 50V Ceramic	AA	AA
C 0538	VCCCTV1HH120J	S	12p 50V Ceramic	AA	AA
C 0540	VCKYTV1HB562K	S	5600p 50V Ceramic	AA	AA
C 0542	VCCCTV1HH271J	S	270p 50V Ceramic	AA	AA
C 0543	VCCCTV1HH271J	S	270p 50V Ceramic	AA	AA
C 0545	VCEAGA1EW227M	S	220 25V Electrolytic	AA	AA
C 0601	VCKYTV1HB103K	S	0.01 50V Ceramic	AA	AA
C 0602	VCKYTV1HB472K	S	4700p 50V Ceramic	AA	AA
C 0603	VCEAGA1HW105M	S	1 50V Electrolytic	AA	AB
C 0605	VCEAGA1CW107M	S	100 16V Electrolytic	AB	AA
C 0606	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	AA
C 0607	VCEAGA1AW337M	S	330 10V Electrolytic	AB	AA
C 0608	RC-FZ0152BMZZ	S	0.012 1.5KV Mylar	AD	AC
C 0610	VCQPSC2GA273K	J	0.027 400V Mylar	AB	AB
C 0611	RC-FZ6474BMNJ	J	0.47 250V Mylar	AE	AB
C 0613	RC-FZ6684BMNJ	J	0.68 250V Mylar	AE	AD
C 0615	VCEAGA1EW477M	S	470 25V Electrolytic	AD	AC
C 0616	VCEAGA1HW337M	S	330 50V Electrolytic	AD	AB
C 0618	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC	AC
C 0619	VCEAGA2CW225M	S	2.2 160V Electrolytic	AB	AA
C 0620	RC-FZ6474BMNJ	J	0.47 250V Mylar	AE	AB
C 0621	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0701	RC-FZ0160BMZZ	S	0.47 275V Mylar	AF	AC
C 0702	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC	AC
C 0705	RC-EZ0129BMZZ	S	150 385V Electrolytic	AP	AE
C 0706	VCEAGA1CW226M	S	22 16V Electrolytic	AA	AA
C 0707	VCEAGA1CW107M	S	100 16V Electrolytic	AB	AA
C 0709	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0710	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC	AC
C 0711	RC-KZ0039CEZZ	S	680p 2KV Ceramic	AB	AB
C 0712	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA
C 0713	RC-FZ9683BMNJ	J	0.068 63V Mylar	AB	AA
C 0714	RC-FZ9153BMNJ	J	0.015 63V Mylar	AB	AA
C 0715	VCKYTV1HB331K	S	330p 50V Ceramic	AA	AA
C 0716	VCKYTV1HB332K	S	3300p 50V Ceramic	AA	AA
C 0717	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 0718	VCEAGA1EW108M	S	1000 25V Electrolytic	AD	AD
C 0719	VCEAGA1EW108M	S	1000 25V Electrolytic	AD	AD
C 0720	RC-EZ0258CEZZ	S	100 200V Electrolytic	AH	AH
C 0721	VCEAGA1EW477M	S	470 25V Electrolytic	AD	AC
C 0722	VCEAGA1CW108M	S	1000 16V Electrolytic	AE	AD
C 0723	VCEAGA1AW477M	S	470 10V Electrolytic	AB	AA
C 0724	VCEAGA1AW227M	S	220 10V Electrolytic	AB	AA
C 0725	VCKYTV1HB472K	S	4700p 50V Ceramic	AA	AA
C 0726	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	AA
C 0727	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB	AA
C 0728	VCKYTV1HB103K	S	0.01 50V Ceramic	AA	AA
C 0733	VCCCTV1HH180J	S	18p 50V Ceramic	AA	AA
⚠ C 0770	RC-KZ0156CEZZ	S	3300p 4KV Ceramic	AD	AB
C 0771	RC-KZ0036CEZZ	S	330p 2KV Ceramic	AC	AA
C 0772	RC-KZ0036CEZZ	S	330p 2KV Ceramic	AC	AA
C 0773	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0774	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0775	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0776	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0801	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 0802	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	AA
C 0803	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	AA
C 0804	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA	AA
C 0805	VCCCTV1HH180J	S	18p 50V Ceramic	AA	AA
C 0806	VCKYTV1HB472K	S	4700p 50V Ceramic	AA	AA
C 0807	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 0810	VCKYPA2HB332K	S	3300p 500V Ceramic	AB	AA
C 0813	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB	AA
C 0814	VCEAGA1CW106M	S	10 16V Electrolytic	AA	AA
C 0815	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA	AA
C 0816	VCEAGA1CW106M	S	10 16V Electrolytic	AA	AA
C 0817	VCEAGA1CW106M	S	10 16V Electrolytic	AA	AA
C 0818	VCEAGA1CW106M	S	10 16V Electrolytic	AA	AA
C 0819	VCCSPA1HL681J	S	680p 50V Ceramic	AB	AA
C 0822	VCCCTV1HH6R8D	S	6.8p 50V Ceramic	AA	AA
C 2300	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 2301	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 2302	VCKYTV1HB472K	S	4700p 50V Ceramic	AA	AA
C 2303	VCKYTV1HB102K	S	1000p 50V Ceramic	AA	AA
C 2304	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 2305	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	AA
C 2306	VCKYTV1HB561K	S	560p 50V Ceramic	AA	AA
C 2307	VCCCTV1HH101J	S	100p 50V Ceramic	AA	AA
C 2308	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA	A
C 2309	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB	AA
C 2310	VCKYTV1HB333K	S	0.033 50V Ceramic	AA	AA
C 2323	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB	AA
R 0462	VCKYTV1HB473K	S	0.047 50V Ceramic	AA	AA

RESISTORS

R 0102	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0103	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0104	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0105	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0106	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0107	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0108	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA

REF. NO.	PARTS NO.	★	DESCRIPTION	EX	SP
R 0109	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0110	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0111	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0112	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0113	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0114	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0115	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0116	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0117	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0118	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0119	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0120	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0122	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0123	VRD-RA2BE101J	S	100 1/8W Carbon	AA	AA
R 0124	VRD-RA2BE821J	S	820 1/8W Carbon	AA	AA
R 0127	VRS-TV1JD392J	S	3.9K 1/10W Metal Oxide	AA	AA
R 0128	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA	AA
R 0129	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
R 0130	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
R 0131	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
R 0132	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA	AA
R 0133	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0137	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA	AA
R 0138	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA	AA
R 0139	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA	AA
R 0140	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA	AA
R 0141	VRS-TQ2BD332J	S	3.3K 1/8W Metal Oxide	AA	AA
R 0161	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA
R 0164	VRD-RA2BE103J	S	10K 1/8W Carbon	AA	AA
R 0166	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0170	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA	AA
R 0171	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA	AA
R 0172	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0173	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA	AA
R 0174	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA	AA
R 0175	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA	AA
R 0176	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA	AA
R 0177	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA	AA
R 0180	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0184	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0191	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0201	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA	AA
R 0202	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA	AA
R 0203	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA
R 0205	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0206	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0207	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA
R 0208	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0209	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0210	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0212	VRD-RA2HD822J	S	8.2K 1/2W Carbon	AA	AA
R 0213	VRD-RA2HD822J	S	8.2K 1/2W Carbon	AA	AA
R 0214	VRD-RA2HD822J	S	8.2K 1/2W Carbon	AA	AA
R 0215	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA	AA
R 0216	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0217	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0218	VRD-RA2BE470J	S	47 1/8W Carbon	AA	AA
R 0219	VRD-RA2BE2R2J	S	2.2 1/8W Carbon	AA	AA
R 0220	VRS-TV1JD181J	S	180 1/10W Metal Oxide	AA	AA
R 0221	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0222	VRD-RA2HD470J	S	47 1/4W Carbon	AA	AA
R 0223	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA	AA
R 0224	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA	AA
R 0225	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0226	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0227	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0230	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA	AA
R 0232	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0233	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0253	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA
R 0254	VRD-RA2BE822J	S	8.2K 1/8W Carbon	AA	AA
R 0255	VRS-TV1JD752J	S	7.5K 1/10W Metal Oxide	AA	AA
R 0256	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA	AA
R 0301	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0302	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0303	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0304	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0305	RR-XZ0200BMZZ	S	1 1/2W Fuse Resistor	AB	AA
R 0307	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0308	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0309	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA
R 0310	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0311	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA	AA
R 0312	VRS-TV1JD181J	S	180 1/10W Metal Oxide	AA	AA
R 0313	VRS-TV1JD100J	S	10 1/10W Metal Oxide	AA	AA
R 0314	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA	AA
R 0315	VRD-RA2BE221J	S	220 1/8W Carbon	AA	AA
R 0316	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0317	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0318	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0319	VRD-RA2BE104J	S	100K 1/8W Carbon	AA	AA
R 0320	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0321	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA	AA
R 0322	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA	AA
R 0323	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0324	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0328	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0329	VRD-RA2BE103J	S	10K 1/8W Carbon	AA	AA
R 0330	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0369	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA	AA
R 0371	VRD-RA2BE271J	S	270 1/8W Carbon	AA	AA
R 0372	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA	AA
R 0373	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA	AA
R 0374	VRS-TV1JD121J	S	120 1/10W Metal Oxide	AA	AA
R 0375	VRD-RA2BE101J	S	100 1/8W Carbon	AA	AA
R 0376	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA	AA
R 0377	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA	AA
R 0378	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0379	VRD-RA2BE102J	S	1K 1/8W Carbon	AA	AA
R 0380	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0381	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0384	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0386	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0402	VRD-RA2HD680J	S	68 1/2W Carbon	AA	AA
R 0403	VRD-RA2EE750J	S	75 1/4W Carbon	AA	AA
R 0404	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA	AA
R 0408	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA	AA
R 0457	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0458	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0459	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0460	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0461	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0501	VRD-RA2HD151J	S	150 1/2W Carbon	AA	AA
R 0503	VRD-RA2HDR68J	S	0.68 1/2W Carbon	AA	AA
R 0504	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA	AA
R 0505	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA	AA
R 0508	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA
R 0509	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA	AA
R 0510	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0511	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
R 0512	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA	AA
R 0513	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA	AA
R 0514	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA	AA
R 0515	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0516	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA	AA
R 0518	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA	AA
R 0519	VRD-RA2HD104J	S	100K 1/2W Carbon	AA	AA
R 0520	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0521	VRS-TV1JD562J	S	5.6K 1/10W Metal Oxide	AA	AA
R 0522	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA	AA
R 0523	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0524	VRS-TV1JD102J	S	1K 1/10 Metal Oxide	AA	AA
R 0525	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0526	VRS-TV1JD823J	S	82K 1/10W Metal Oxide	AA	AA
R 0527	VRS-TV1JD823J	S	82K 1/10W Metal Oxide	AA	AA
R 0528	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA	AA
R 0529	VRS-TV1JD823J	S	82K 1/10W Metal Oxide	AA	AA
R 0530	RR-XZ0200BMZZ	S	1 1/2W Fuse Resistor	AB	AA
R 0531	VRS-TV1JD393F	S	39K 1/10W Metal Oxide	AA	AA
R 0532	VRD-RA2BE101J	S	100 1/8W Carbon	AA	AA

REF. NO.	PARTS NO.	★	DESCRIPTION	EX	SP
R 0533	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA	AA
R 0534	RR-XZ0124BMZZ	S	100 1/3W Fuse Resistor	AA	AA
R 0535	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA	AA
R 0536	VRS-VV3DB182J	S		AA	AA
R 0537	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0539	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA	AA
R 0601	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA	AA
R 0602	VRS-TV1JD821J	S	820 1/10W Metal Oxide	AA	AA
R 0603	VRS-TV1JD681J	S	680 1/10W Metal Oxide	AA	AA
R 0604	VRD-RA2BE103J	S	10K /8W Carbon	AA	AA
R 0605	VRD-RA2BE222J	S	2.2K 1/8W Carbon	AA	AA
R 0606	RR-XZ0116BMZZ	S	22 1/3W Fuse Resistor	AB	AA
R 0607	VRD-RA2BE471J	S	470 1/8W Carbon	AA	AA
R 0608	VRD-RA2HD681J	S	680 1/2W Carbon	AA	AA
R 0609	VRN-VV3DB5R6J	S	5.6 2W Metal Film	AA	AA
R 0610	RR-XZ0218BMZZ	S	33 1/2W Fuse Resistor	AB	AA
R 0611	RR-XZ0242BMZZ	S	3.3K 1/2W Fuse Resistor	AB	AA
R 0613	VRS-VV3DB222J	S	2.2K 2W Metal Oxide	AA	AA
R 0614	VRD-RA2BE472J	S	4.7K 1/8W Carbon	AA	AA
R 0615	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA	AA
R 0616	VRN-VV3DB1R0J	S	1 2W Metal Film	AA	AA
R 0617	RR-XZ0227BMZZ	S	180 1/2W Fuse Resistor	AB	AA
R 0625	VRS-TV1JD474J	S	470K 1/10W Metal Oxide	AA	AA
R 0626	VRS-TV1JD474J	S	470K 1/10W Metal Oxide	AA	AA
R 0627	VRS-TQ2BD561J	S	560 1/8W Metal Oxide	AA	AA
R 0701	VRD-RA2HD124J	S	120K 1/2W Carbon	AA	AA
R 0702	VRD-RA2HD124J	S	120K 1/2W Carbon	AA	AA
R 0703	VRD-RA2HD104J	S	100K 1/2W Carbon	AA	AA
R 0704	VRD-RA2HD683J	S	68K 1/2W Carbon	AA	AA
R 0705	VRD-RA2HD683J	S	68K 1/2W Carbon	AA	AA
R 0708	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA	AA
R 0709	VRS-TQ2BD122J	S	1.2K 1/8W Metal Oxide	AA	AA
R 0711	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA	AA
R 0712	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA	AA
R 0713	VRD-RA2HD564J	S	560K 1/2W Carbon	AC	AB
R 0714	VRD-RA2HD564J	S	560K 1/2W Carbon	AC	AB
R 0715	VRD-RA2HD224J	S	220K 1/2W Carbon	AA	AA
R 0716	VRN-VV3ABR47J	S	0.47 1W Metal Film	AA	AA
R 0717	VRD-RA2BE223J	S	22K 1/8W Carbon	AA	AA
R 0718	VRD-RA2HD102J	S	1K 1/2W Carbon	AA	AA
R 0719	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA	AA
R 0720	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0721	VRD-RA2HD104J	S	100K 1/2W Carbon	AA	AA
R 0722	VRS-TV1JD330J	S	33 1/10W Metal Oxide	AA	AA
R 0723	VRD-RA2HD122J	S	1.2K 1/2W Carbon	AA	AA
R 0724	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0725	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
R 0726	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA	AA
R 0727	VRS-TV1JD472F	S	4.7K 1/10W Metal Oxide	AA	AA
R 0728	VRSTQ2BD4992F	S	49.9K 1/4W Metal Oxide	AA	AA
R 0730	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA	AA
R 0731	VRS-TV1JD220J	S	22 1/10W Metal Oxide	AA	AA
R 0732	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA	AA
R 0733	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
R 0734	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0735	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA
R 0736	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
R 0737	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
R 0738	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0739	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0740	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
⚠ R 0780	VRC-UA2HG825K	S	8.2M 1/2W Solid	AA	AA
⚠ R 0781	VRC-UA2HG825K	S	8.2M 1/2W Solid	AA	AA
R 0782	VRS-TQ2BD330J	S	33 1/8W Metal Oxide	AA	AA
R 0783	VRS-TQ2BD330J	S	33 1/8W Metal Oxide	AA	AA
R 0784	VRSTQ2BD4992F	S	49.9K 1/4W Metal Oxide	AA	AA
R 0787	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA	AA
R 0788	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA	AA
R 0789	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA	AA
R 0790	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA	AA
R 0791	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA	AA
R 0792	VRD-RA2BE103J	S	10K 1/8W Carbon	AA	AA
R 0801	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA
R 0802	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA
R 0803	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA	AA

REF. NO.	PARTS NO.	★	DESCRIPTION	EX	SP
R 0804	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0805	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA	AA
R 0806	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0808	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0809	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA	AA
R 0810	VRD-RA2EE750J	S	75 1/4W Carbon	AA	AA
R 0811	VRD-RA2EE750J	S	75 1/4W Carbon	AA	AA
R 0812	VRS-TQ2BD750J	S	75 1/8W Metal Oxide	AA	AA
R 0813	VRS-TV1JD820J	S	82 1/10W Metal Oxide	AA	AA
R 0814	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0815	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA	AA
R 0816	VRD-RA2BE331J	S	330 1/8W Carbon	AA	AA
R 0817	VRS-TV1JD750J	S	75 1/10WMetal Oxide	AA	AA
R 0818	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0819	VRD-RA2BE154J	S	150K 1/8W Carbon	AA	AA
R 0820	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0821	VRS-TV1JD184J	S	180K 1/10W Metal Oxide	AA	AA
R 0822	VRD-RA2BE224J	S	220K 1/8W Carbon	AA	AA
R 0823	VRD-RA2HD102J	S	1K 1/2W Carbon	AA	AA
R 0824	VRS-TV1JD474J	S	470K 1/10W Metal Oxide	AA	AA
R 0825	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0826	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA	AA
R 0827	VRD-RA2BE273J	S	27K 1/8W Carbon	AA	AA
R 0828	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA	AA
R 0829	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA	AA
R 0830	VRS-TV1JD124J	S	120K 1/10W Metal Oxide	AA	AA
R 0831	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA	AA
R 0832	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0833	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0834	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0835	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0836	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA	AA
R 0841	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0842	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 0843	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 2300	VRD-RA2HD151J	S	150 1/2W Carbon	AA	AA
R 2301	VRS-TV1JD123F	S	12K 1/10W Metal Oxide	AA	AA
R 2302	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA	AA
R 2303	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA	AA
R 2304	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 2305	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
R 2306	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA	AA
R 2317	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA	AA
R 2318	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA	AA
R 2319	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA	AA
R 2320	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA	AA
C 0379	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
C 0402	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
C 0408	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA	AA
C 0808	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
C 0809	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
C 2400	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
FB 0101	VRS-TQ2BD000J	S	Jumper	AA	AA
FB 0103	VRS-TQ2BD000J	S	Jumper	AA	AA
FB 0104	VRS-TQ2BD000J	S	Jumper	AA	AA
FB 0105	VRS-TQ2BD000J	S	Jumper	AA	AA
FB 0106	VRS-TQ2BD000J	S	Jumper	AA	AA
J 0388	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA	AA
L 0303	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA	AA
L 0304	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA	AA
L 0305	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA	AA
L 0306	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA	AA
L 0307	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA	AA
L 0308	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA	AA
L 0309	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA	AA
L 0310	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA	AA

MISCELLANEOUS PARTS

⚠ F 0601	QFS-J1023CEZZ	S	Fuse 1A 125V	AA	AA
⚠ F 0602	QFS-J1023CEZZ	S	Fuse 1A 125V	AA	AA
⚠ F 0701	QFS-C3226CEZZ	S	Fuse 3.15A 250V	AE	AC
FH 0701	QFSHD1009CEZZ	S	Fuse Holder	AA	AA
FH 0702	QFSHD1010CEZZ	S	Fuse Holder	AB	AA
⚠ FX 0601	QFS-J1023CEZZ	S	Fuse 1A 125V	AA	AA

REF. NO.	PARTS NO.	★	DESCRIPTION	EX	SP
⚠ S 0701	QSW-P0600BMZZ	S	Power Switch	AL	AF
S 0702	QSW-K0079GEZZ	S	Switch	AB	AA
S 0703	QSW-K0079GEZZ	S	Switch	AB	AA
S 0704	QSW-K0079GEZZ	S	Switch	AB	AA
S 0705	QSW-K0079GEZZ	S	Switch	AB	AA
CN 0003	QJAKJ0047CEZZ	S	Earphone Jack	AG	AD
LP 0701	RLAMP0001BMZZ	S	Neon	AC	AB
M 0100	RRMCU0201BMZZ	S	Remote Control Unit	AN	AG
(A)	QPLGN0304CEZZ	S	Connector	AB	AB
(CN)	QSOCN1067BMZZ	S	Connector	AE	AB
(F)	QPLGN0505CEZZ	S	Connector	AB	AB
(G)	QPLGN0207CEZZ	S	Connector	AA	AA
(SP)	QPLGN0241CEZZ	S	Connector	AA	AA
CN 0001	QSOCZ2107BMZZ	S	A / V Connector	AE	AF
CN 0002	QSOCZ2107BMZZ	S	A / V Connector	AE	AF
FB 0102	RBLN-0037CEZZ	S	Ferrite Bead	AB	AB
FB 0301	RBLN-0037CEZZ	S	Ferrite Bead	AB	AB
FB 0302	RBLN-0037CEZZ	S	Ferrite Bead	AB	AB
FB 0701	RBLN-0037CEZZ	S	Ferrite Bead	AB	AB
FB 0702	RBLN-0037CEZZ	S	Ferrite Bead	AB	AB
FB 0703	RBLN-0037CEZZ	S	Ferrite Bead	AB	AB
IC 0105	QSOCZ2051SC32	S	Socket 32 PIN	AC	AC
LX 0504	RBLN-0037CEZZ	S	Ferrite Bead	AB	AB
LX 0505	RBLN-0037CEZZ	S	Ferrite Bead	AB	AB

PWB - B C.R.T. SOCKET UNIT

INTEGRATED CIRCUITS

IC 0901	VHITDA6107Q-1	S	TDA6107Q	AM	AF

DIODES

D 0901	RH-DX0501BMZZ	S	1N4004	AA	AA

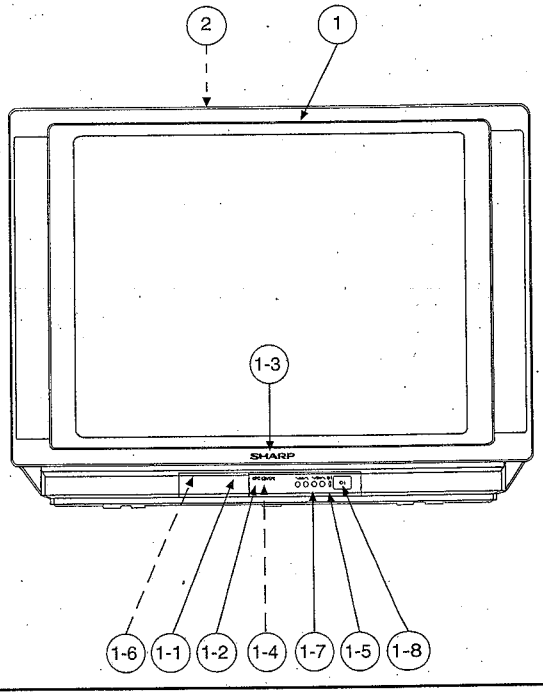
CAPACITORS

C 0901	VCEAGA2DW476M	S	47 200V Electrolytic	AE	AA
C 0902	VCKYPB3DE472Z	S		AC	AB
C 0904	RC-FZ7104BMNJ	J	0.1 400V Mylar	AD	AB
C 0905	RC-FZ7104BMNJ	J	0.1 400V Mylar	AD	AB
C 0906	VCCCTV1HH120J	S	12p 50V Ceramic	AA	AA
C 0907	VCCCTV1HH120J	S	12p 50V Ceramic	AA	AA
C 0908	VCCCTV1HH120J	S	12p 50V Ceramic	AA	AA

RESISTORS

R 0901	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0902	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0903	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0904	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA	AA
R 0906	VRD-RA2HD152J	S	1.5K 1/2W Carbon	AA	AA
R 0907	VRD-RA2HD152J	S	1.5K 1/2W Carbon	AA	AA
R 0908	VRD-RA2HD152J	S	1.5K 1/2W Carbon	AA	AA
R 0909	VRD-RA2HD225J	S	2.2M 1/2W Carbon	AA	AA

REF. NO.	PARTS NO.	★	DESCRIPTION	EX	SP
MISCELLANEOUS PARTS					
⚠ L 0901	QSOCV0103BMZZ	S	C.R.T. Socket	AG	AD
	RBLN-0037CEZZ	S	Ferrite Bead	AB	AB
MISCELLANEOUS PARTS					
⚠	CACCZ2049WEV5	S	AC Cord	AR	AK
	RRMCG1061BMSA	S	Remote Control Unit	AW	AS
	TINS-6598BMN1	S	Operation Manual 63ET01SN	AH	AD
	TINS-6598BMN0	S	Operation Manual 70ET01SN	AG	AB
	VSP1306PB067S	S	Speaker 12W .8 ohms	AR	AN
CABINET PARTS					
1	CCABA1237BMV0	S	Front Cabinet 63ET01SN	BH	AW
1	CCABA1234BMV0	S	Front Cabinet 70ET01SN	BK	AX
1 - 1	GDORF1045BMSA	S	Door	AE	AD
1 - 2	GMADT1067BMSA	S	Window 63ET01SN	AG	AE
1 - 2	GMADT1077BMSA	S	Window 70ET01SN	AG	AE
1 - 3	HBDGB3508BMSA	S	Badge SHARP 63ET01SN	AH	AD
1 - 3	HBDGB3013MESA	S	Badge SHARP 70ET01SN	AG	AD
1 - 4	HDECQ0034BMSA	S	Window Led	AD	AB
1 - 5	HDECQ0006BMSA	S	Window Power	AC	AB
1 - 6	HINDP5087BMSA	S	Indicator	AD	AB
1 - 7	JBTN-1028BMSA	S	Button Up/Down	AC	AB
1 - 8	JBTN-1029BMSA	S	Button Power	AC	AB
2	CCABB1071BMV0	S	Rear Cabinet 63ET01SN	BB	AU
2	CCABB1062BMV0	S	Rear Cabinet 70ET01SN	BB	AV



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